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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **10070099**(51) Intl. Cl.: **G02B 6/126**(22) Application date: **19.03.98**

(30) Priority:	(71) Applicant: <b>NIPPON TELEGR &amp; &lt;NTT&gt;</b>
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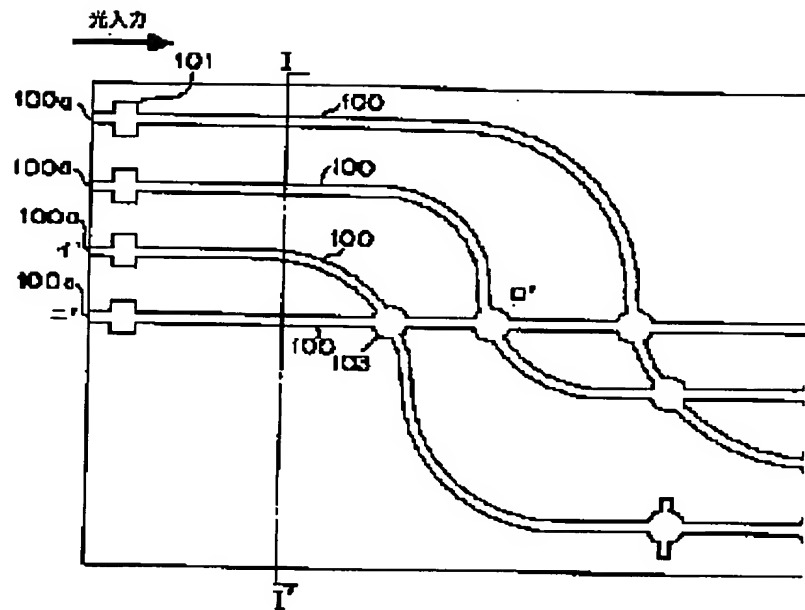
**(54) MULTI-MODE TYPE  
OPTICAL WAVEGUIDE  
CIRCUIT ELEMENT**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To reduce leak light at an intersection and variance in a loss between respective optical waveguide routes greatly as compared with a conventional one.

**SOLUTION:** This optical waveguide circuit element has plural multi-mode type optical waveguide routes 100 which have input parts 100a and output parts 100b and specific width, intersection parts 103 formed by crossing between the plural multi-mode type optical waveguide routes 100 and an optical waveguide mode filter element part 101 having an input-side end surface and an output-side end surface nearby the input part of the plural multi-mode type optical waveguide routes. At least the output-side end surface of the optical waveguide route mode filter element part has wider width than a given width.

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